| _ | Index of | |
|---|----------|--|
| | | |

| Application No. | Applicant(s) |
|-----------------|----------------|
| 09/487,000 | BROCKEL ET AL. |
| Examiner | Art Unit |

1761

√ Rejected
= Allowed

_ (Through numeral)
Cancelled

• Restricted

Claim

Non-Elected

I Interference

Helen F. Pratt

Date

A Appeal
O Objected

| Cla | Date | | | | | | | | | |
|-------------|----------------------------------------------------|--------------------------------------------------|----------|--------------------------------------------------|------------|----------|--------------|------------|----------------|----------------|
| <u> </u> | 1 | | | Τ | Τ | | Ť | T | Т | Τ |
| Final | Original | 11/7/03 | | | | | | | | |
| | 1 | マ | | | | \top | 1 | | | |
| — | 2 | | ! | | | | T | 1 | | |
| <u> </u> | 3 | 12 | - | | | + | + | \vdash | | |
| | -4 | | | | ┼ | \vdash | | \vdash | \vdash | ┢ |
| <u> </u> | - | ΙŤ | | ╁ | | \vdash | + | | - | - |
| | 9 | H | | <u> </u> | | ļ | - | - | - | ├ |
| | 7 | - | _ | | - | | ╀ | | - | |
| <u> </u> | | 1 | <u> </u> | | ├ | ⊢ | | | - | <u> </u> |
| | 1 2 3 4 5 6 7 8 | + | _ | - | ├ | ļ | - | | ┝ | ļ |
| | 40 | - | ļ | | | _ | ┝ | - | ┡ | _ |
| | 10 | 1 | ┝ | <u> </u> | | ļ | | _ | ⊢ | ļ |
| | 17 | Н. | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | _ | <u> </u> | ļ |
| <u> </u> | 12 | Ц. | | | _ | _ | ļ., | ļ | L | L., |
| | 13 | Щ | | L | <u> </u> | <u> </u> | <u> </u> | lacksquare | ļ | |
| <u> </u> | 14_ | 1 | | | L., | <u> </u> | _ | ᆫ | <u> </u> | |
| | 15 | Ш | <u></u> | _ | | Ļ | | ļ | | |
| | 10 11 12 13 14 15 16 17 18 | | | | L | <u> </u> | <u> </u> | | <u>Ļ</u> . | |
| | 17 | | | | <u>L</u> . | L., | <u> </u> | | L | |
| | 18 | Ц. | | | | | | _ | _ | |
| | 19 | V | _ | | | | | | | |
| | 20 | ` | | | _ | | | | | |
| | 21 | \vee | | | | | | | | |
| | 22 | V | | | | | | L. | Γ | |
| | 23 | | | | | | | | | |
| | 24 25 26 | | | | | | | | | |
| | 25 | | | | | Γ | | | | |
| | 26 | | | | | Π | | | _ | |
| | 27 28 29 | | | | | | | | | |
| | 28 | | | | | | | | | |
| | 29 | | | | | | - | Π | | |
| | 30 | | | | | | | | | |
| | 31 | | | | | | | - | | |
| | 32 | | | | | | | _ | | |
| | 33 | | | | | Г | | | Г | |
| | 34 | | | | | | | Γ | — | \Box |
| | 31 32 33 34 35 | | | | | | | | | \Box |
| | 36 | \neg | | | | Ī | | | | |
| | 37 | \neg | | | | | | | | \neg |
| | 38 | | | | | | | | | \neg |
| | 39 | | | | | | | | | |
| | 40 | | | | | _ | | | | |
| | 41 | \neg | | | | | | | | \exists |
| | 42 | 一 | Ī | | | | | | | |
| | 43 | | \Box | | | | | | | |
| | 44 | | | \neg | | Π, | | | | \neg |
| | 45 | | \neg | 一 | | | | | | \dashv |
| | 46 | _ | \neg | | | | | | $\neg \neg$ | ᅥ |
| | 47 | | | | | | | \neg | _ | \dashv |
| | 48 | | \dashv | | | | | _ | | \dashv |
| | 49 | | 一 | | | | | \neg | \dashv | \dashv |
| | 50 | - † | | _ | | | - | | | \dashv |
| | | | | | | | | | | |

| E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E E | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 | |
| 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 | |
| 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 | _ |
| 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 | |
| 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 | |
| 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 | |
| 57 58 59 60 61 62 63 63 64 65 66 67 68 69 70 71 72 73 74 | |
| 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 | |
| 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 | |
| 60 61 62 63 64 65 66 67 68 69 70 71 71 72 73 74 | |
| 61 62 63 64 65 66 67 68 69 70 71 72 73 74 | |
| 62 63 64 65 66 67 68 69 70 71 72 73 74 | |
| 63 64 65 66 67 68 69 70 71 72 73 74 | |
| 64 65 66 67 68 69 70 71 71 72 73 74 | |
| 64 65 66 67 68 69 70 71 71 72 73 74 | |
| 66 67 68 69 70 71 71 72 73 74 | |
| 66 67 68 69 70 71 71 72 73 74 | |
| 67 68 69 70 71 71 72 73 74 | |
| 68 69 70 71 72 73 74 | _ |
| 69 70 71 72 73 74 75 | |
| 70 71 72 73 74 75 75 75 75 75 75 75 75 75 75 75 75 75 | |
| 71 72 73 74 75 75 75 75 75 75 75 75 75 75 75 75 75 | |
| 72 73 74 75 | |
| 75 | _ |
| 75 | |
| 75 | |
| | _ |
| 76 | - |
| 76 77 | \dashv |
| 78 | - |
| 79 | |
| 80 | \dashv |
| 81 | _ |
| 82 | - |
| 02 | i |
| 83 | |
| 84 | \dashv |
| 85 | |
| 86 | _ |
| 87 | Щ |
| 88 | _ |
| 89 | Ц |
| 90 | _ |
| 91 | |
| 92 | |
| 93 | |
| 94 | |
| 95 | |
| 96 | |
| 97 | |
| 98 | |
| 99 | |
| 100 | |

| | | L | | | | | | | | |
|-------------------|------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|------------|----------------|----------|----------------|-------------------|
| Claim | | Date | | | | | | | | |
| Final | Original | | | | | | | | | |
| | 101 | | \vdash | \top | | \top | 1 | | 1- | \vdash |
| | 102 | | 1 | 1 | | T | 1 | | | |
| | 103 | | | | | | | | | |
| | 104 | L | \perp | | L | L. | _ | _ | | |
| | 105 | <u> </u> | ├ _ | | <u>Ļ</u> . | <u> </u> | ļ | <u> </u> | | Ш |
| | 106 | ļ | _ | <u> </u> | - | ┡ | ↓_ | | ļ | \sqcup |
| | 107 | | <u> </u> | ╙ | ₽- | ╄ | ⊨ | ₩. | <u> </u> | \vdash |
| | 108 109 | <u> </u> | - | | ₩ | ╀ | ╁ | | ┈ | \vdash |
| | 110 | | | - | +- | \vdash | ╁- | | - | \vdash |
| | 111 | | | - | + | + | ╁ | ┼ | ⊢ | |
| | 112 | | | ╁ | \vdash | \vdash | \vdash | - | ├ | 1 |
| | 113 | | ┢ | | +- | \vdash | - | | | \vdash |
| | 114 | | - | \vdash | \vdash | \vdash | T | 1 | | + |
| | 115 | | | T | T | | ╁┈ | <u> </u> | \vdash | \Box |
| | 116 | | | | 1 | | \vdash | | \vdash | $\dagger \exists$ |
| | 117 | | | | | | | İ | 1- | |
| | 118 | | | | | | Ī | Ī | | |
| | 119 | | | | | | | | | |
| | 120 | | | | | | | | | |
| | 121 | | _ | | | L. | | | | |
| | 122 | | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}}}}$ | | | <u> </u> | | | ┖ | L |
| | 123 124 | | _ | | <u> </u> | _ | | | | Щ |
| | 124 | | ļ | ļ | | | ļ | | ļ | Ш |
| | 125 | | | | - | - | <u> </u> | | | |
| | 126 127 | | | | ⊢ | ├— | ⊢ | | \vdash | \vdash |
| | 128 | | | | - | ┢ | - | | - | \vdash |
| | 129 | | | | ┢ | ┢ | | <u> </u> | | - |
| | 130 | | | | ┝- | - | \vdash | | ┢ | |
| | 131 | - | - | - | - | | - | | | \vdash |
| | 132 | _ | | <u> </u> | _ | 一 | 1 | 1 | | 1-1 |
| | 133 | \exists | | | | Ι | | | - | \Box |
| 1 | 134 | | _ | | | \vdash | | | T | H |
| | 135 | | | | | \Box | | | | |
| | 136 | | | | | | | | | |
| | 137 |] | | <u> </u> | | | | | | |
| | 138 | | | | | <u> </u> | | <u></u> | | |
| | 139 | _ | | | | L | | | _ | Ш |
| | 140 | | | ļ | _ | <u> </u> | | _ | _ | Ы |
| \longrightarrow | 141 | \dashv | | | _ | <u> </u> | _ | | <u> </u> | \vdash |
| | 142 143 | | | <u> </u> | | - - | | <u> </u> | - | H |
| | 143 | \dashv | | | | | H | - | - | \vdash |
| | 145 | | | | | | | - | <u> </u> | \vdash |
| | 146 | | _ | | \vdash | | | \vdash | - | \vdash |
| | 147 | | | _ | | - | - | _ | | \vdash |
| _ | 148 | | _ | _ | | - | | | | \vdash |
| | 149 | \dashv | | | - | - | \vdash | | | |
| | 150 | | | | | | | _ | | |